

Atty.
Dkt. No.

M#

Client Ref.

275564

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Examiner: E. McElwain

Group Art Unit: 1649

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: June 21, 2001

Page

1

of

10

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
EM	OR	9411516	05/1994	WIPO					
	PR	WO9418337	08/1994	WIPO					
	QR	WO9610075	04/1996	WIPO					
	RR	WO9721340	06/1997	WIPO					
	SR								
	TR								
	UR								
	VR								
	WR								
	XR								

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR	ALTSCHUL ET AL., J. MOL. BIOL., 215:403-410 (1990)			
ZR	ARONDEL ET AL., SCIENCE, 258:1353-1355 (1992)			
AAR	ATSMON ET AL., CASTOR, MCGRAW-HILL, NEW YORK, PP 438-447 (1989)			
BBR	BAFOR ET AL., BIOCHEM., 280:507-514 (1991)			
CCR	BATTEY ET AL., PLANT PHYSIOL., 90: 835-840 (1989)			
DDR	BECHTOLD ET AL., C.R. ACAD. SCI. PARIS, 316:1194-1199 91993)			

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
 To: U.S. Department of Commerce
 (PW FORM PAT-1449)
 Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

275564

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Examiner: E. McElwain

Group Art Unit: 1649

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: June 21, 2001

Page

2

of

10

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

EM	YR	BELTZ ET AL., METHODS IN ENZYMOLOGY, 100:266-285 (1983)
	ZR	BRAY ET AL., PLANTA, 172:364-370 (1987)
	AAR	BROWSE ET AL., ANN. REV. PLANT PHYSIOL. PLANT MOL. BIOL. 42:467-506 (1991)
	BBR	CANVIN, CAN. J. BIOCHEM. PHYSIOL., 41:1879-1885 (1963)
	CCR	DITTA ET AL., PROC. NATL. ACAD. SCI. USA, 77:7347-7351 (1980)
	DDR	FOX ET AL., PROC. NATL. ACAD. SCI, 90:2486-2490 (1993)

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

275564

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

3

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

2m	YR	GALLIARD ET AL., J. BIOL. CHEM., 241:5806-5812 (1966)			
	ZR	GOULD ET AL., PROC. NATL. ACAD. SCI., USA, 86:1934-1938 (1989)			
	AAR	GREENWOOD ET AL., CAN. J. BOT., 60:1751-1760 (1982)			
	BBR	GUNSTONE ET AL., THE LIPID HANDBOOK, CHAPMAN AND HALL, LONDON, CHAPTERS 1.9, PP 19-20 AND 3.3.5, PP 57-58 (1986)			
	CCR	HOWLING ET AL., BIOCHEM BIOPHYS. ACTA, 260:10-19 (1972)			
	DDR	HUYUH ET AL., DNA CLONING, VOL. 1: A PRACTICAL APPROACH, (ED) D.M. GLOVER, IRL PRESS, WASHINGTON DC, PP 49-77 (1985)			

Examiner

E. McElwain

Date Considered: 7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

275564

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

4

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	OR							
	PR							
	QR							
	RR							
	SR							
	TR							
	UR							
	VR							
	WR							
	XR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.):

YR	IBA ET AL., J. BIOL. CHEM., 268:24099-24105 (1993)			
ZR	JAMES ET AL., BIOCHEM. J., 95:448-452 (1965)			
AAR	KEARNS ET AL., ARCH. BIOCHEM. BIOPHYS., 284:431-436 (1991)			
BBR	KNUZTON ET AL., PROC. NATL. ACAD. SCI. USA, 89:2624-2628 (1992)			
CCR	KOK ET AL., J. BIOL. CHEM., 264:5435-5441 (1989)			
DDR	KONEZ ET AL., MOL. GEN. GENET., 204:383-396 (1986)			

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No.

M#

Client Ref.

275564

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page 5 of 10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
	OR							
	PR							
	QR							
	RR							
	SR							
	TR							
	UR							
	VR							
	WR							
	XR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

EM	YR	KREN ET AL., EXPERENTIA, 41:1476-1477 (1985)			
	ZR	MIGUEL ET AL., J. BIOL. CHEM., 267:1502-1509 (1992)			
	AAR	MOREAU ET AL., PLANT PHYSIOL., 67:672-675 (1981)			
	BBR	MORRIS, BIOCHEM. BIOPHYS. RES. COMMUN., 29:311-315 (1967)			
	CCR	MORRIS, BIOCHEM. J., 118:681-693 (1970)			
	DDR	MORRIS ET AL., BIOCHEM. J., 100:29C-30C (1966)			

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No.

M#

Client Ref.

275564

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

6

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	QR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR	NEWMAN ET AL., PLANT CELL, 5:701-714 (1993)			
ZR	OKULEY ET AL., PLANT CELL, 6:147-158 (1994)			
AAR	OOMS ET AL., PLASMID, 7:15-29 (1982)			
BBR	PANACCIONE ET AL., GENE, 86:163-170 (1990)			
CCR	PRASAD ET AL., J. AM. OIL CHEM. SOC., 64:1424-1427 (1987)			
DDR	PUISSANT ET AL., BIOTECHNIQUES, 8:148-149 (1990)			

Examiner *SM-22*

Date Considered: *7/23/03*

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

275564

Client Ref.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

7

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

EM	YR	SAMBROOK ET AL., MOLECULAR CLONING: A LABORATORY MANUAL, 2ND ED., COLD SPRING HARBOR LABORATORY PRESS (1989)			
	ZR	SCHMIDT ET AL., AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, PP. 40-49 (1993)			
	AAR	SMITH, FATTY ACIDS, PRYDE E.H., ED., AMERICAN OIL CHEMISTS SOCIETY CHAMPAIGN, 2ND ED., PP 29-47			
	BBR	SMITH ET AL., BIOCHEM. J., 287:141-144 (1992)			
	CCR	SUZUKI ET AL., J. BACTERIOL., 173:1690-1695 (1991)			
	DDR	THIEDE ET AL., J. BIOL. CHEM., 261:13230-13235 (1986)			

Examiner

EMZL

Date Considered: 7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No.

M#

Client Ref:

275564

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

8

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR	VAN DE LOO ET AL., LIPID METABOLISM IN PLANTS, T.S. MOORE JR., ED., CRC PRESS, BOCA RATON, PP 91-126 (1993)			
ZR	VAN DE LOO ET AL., PLANT PHYSIOL., 105:443-444 (1994)			
AAR	VON HEIJNE, J. MOL. BIOL., 184:99-105 (1985)			
BBR	YADAV ET AL., PLANT PHYSIOL., 103:467-476 (1993)			
CCR	CARLSON ET AL., J. AM. OIL CHEM. SOC., 67:438-442 (1990)			
DDR	JONES ET AL., TRASGENIC RES., 1:285-297 (1992)			

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No.

M#

Client Ref.

275564

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

9

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		Abstract		Readily Available	
							Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
	RR									
	SR									
	TR									
	UR									
	VR									
	WR									
	XR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SM	YR	MURRAY ET AL., NUCL. ACIDS RES., 8:4321-4325 (1980)				
SM	ZR	VAN DE LOO ET AL., PROC. NATL. ACAD. SCI. USA, 92:6743-6747 (1995)				
	AAR					
	BBR					
	CCR					
	DDR					

Examiner

E. McElwain

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

275564

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: SOMERVILLE et al.

Appln. No.: not assigned

Filing Date: June 21, 2001

Date: June 21, 2001

Page

10

of

10

Examiner: E. McElwain

Group Art Unit: 1649

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AA					
	BB					
	CC					
	DD					
	EE					
	FF					
	GG					
	HH					
	II					
	JJ					
	KK					
	LL					
	MM					
	NN					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
					Enclosed	No
	OO					
	PP					
	QQ					
	RR					
	SS					
	TT					
	UU					
	VV					
	WW					
	XX					

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SM	YY	VAN DE LOO et al., "An oleate 12-hydroxylase from Ricinus communis L. is a fatty acyl saturase homolog", Proc. Natl. Acad. Sci. USA, July 18, 1995; 92(15):6743-7			
	ZZ	SHANKLIN et al., "Eight histidine residues are catalytically essential in a membrane-associated iron enzyme, stearoyl-CoA desaturase, and are conserved in alkane hydroxylase and xylene monooxygenase", Biochemistry, US, American Chemical Society, No. 33, 1 January 1994; 12787-12794			
	AAA	BROUN et al., "Accumulation of ricinoleic, lesquerolic, and densipolic acids in seeds of transgenic Arabidopsis plants that express a fatty acyl hydroxylase cDNA from castor bena", Plant Physiology, US American Society of Plant Physiologists, Vol. 113, No. 113, 1997, pp 933-942			
	BBB	BROUN et al., "A bifunctional oleate 12-hydroxylase: desaturase from Lesquerella fendleri", Plant Journal, GB, Blackwell Scientific Publications, Vol. 13, No. 2, 1 Feb. 1998, pp 201-210			
	CCC	BROUN et al., "Catalytic plasticity of fatty acid modification enzymes underlying chemical diversity of plant lipids", Science, US American Assoc. For The Advancement of Science, Vol. 282, No. 282, 13 Nov. 1998, pp 1315-1317			
	DDD				

Examiner

SM

Date Considered:

7/23/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.